

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

PCT

To:

see form PCT/ISA/220

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1)

Date of mailing
(day/month/year) see form PCT/ISA/210 (second sheet)

Applicant's or agent's file reference
see form PCT/ISA/220

FOR FURTHER ACTION
See paragraph 2 below

International application No.
PCT/EP2004/013738

International filing date (day/month/year)
03.12.2004

Priority date (day/month/year)
18.12.2003

International Patent Classification (IPC) or both national classification and IPC
H04N1/21

Applicant
EASTMAN KODAK COMPANY

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

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WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

10/581567

International application No.
PCT/EP2004/013738

AP20 Rec'd PCT/PTO 02 JUN 2006

Box No. I Basis of the opinion

1. With regard to the **language**, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
 - ☐ This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
 - a. type of material:
 - ☐ a sequence listing
 - ☐ table(s) related to the sequence listing
 - b. format of material:
 - ☐ in written format
 - ☐ in computer readable form
 - c. time of filing/furnishing:
 - ☐ contained in the international application as filed.
 - ☐ filed together with the international application in computer readable form.
 - ☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/EP2004/013738

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Yes: Claims	1-6
	No: Claims	
Inventive step (IS)	Yes: Claims	1-6
	No: Claims	
Industrial applicability (IA)	Yes: Claims	1-6
	No: Claims	

2. Citations and explanations

see separate sheet

Re Item V

**Reasoned statement with regard to novelty, inventive step or industrial applicability;
citations and explanations supporting such statement**

1 Reference is made to the following documents:

- D1: EP-A-1 128 284 (HEWLETT-PACKARD COMPANY) 29 August 2001 (2001-08-29)
- D2: EP-A-1 102 502 (LUCENT TECHNOLOGIES INC) 23 May 2001 (2001-05-23)
- D3: WO 00/45587 A (SONY ELECTRONICS INC) 3 August 2000 (2000-08-03)
- D4: PATENT ABSTRACTS OF JAPAN vol. 1998, no. 10, 31 August 1998 (1998-08-31) & JP 10 143520 A (TOSHIBA CORP), 29 May 1998 (1998-05-29)
- D5: "Digital cellular telecommunications system (Phase 2+); Location Services (LCS); Service description, Stage 1 (GSM 02.71 version 7.0.0 Release 1998)" ETSI TS 101 723 V7.0.0, XX, XX, 1 August 1999 (1999-08-01), pages 1-18, XP002167654
- D6: "Support of Third Generation Services using UMTS in a Converging Network Environment - Report 14" UMTS FORUM, XX, XX, 2002, XP002270459

2 The document D2 is regarded as being the closest prior art to the subject-matter of claim 1, and shows (the references in parentheses applying to this document):

a method for adding characterization data linked to an image,

- using a mobile terminal including means of digital image capture and other means of linking and saving digital data capable of communicating with the image capture means,
- the method being implemented in a communication network with coverage by cells, a cell ID being automatically linked to each cell,
- where the location of the camera at time of image capture is determined by a global positioning satellite system (see the abstract and Fig. 12).

The subject-matter of claim 1 differs from this known method in that the method for determining geographic location information is based on linking Cell ID with

geographic location information, thus using the mobile network for obtaining location information. In particular the method comprises

- a) automatically saving, in the mobile terminal the cell ID of the Network which contains geographic location where he capture of at least one image was performed using the mobile terminal,
- b) automatically linking the cell ID containing the geographic location of the image capture with a characterization identifier linked to the image capture entered using the terminal to form a pair of these IDs,
- c) automatically saving, in the mobile terminal, the Id pair formed in the step b).

The subject-matter of claim 1 is therefore new (Article 33(2) PCT).

The problem to be solved by the present invention may be regarded as providing alternative means for annotating captured image with location data for a mobile phone with a camera function.

The solution to this problem proposed in claim 1 of the present application is considered as involving an inventive step (Article 33(3) PCT) for the following reasons:

- Document D2 discloses in one embodiments the use of a triangulation technique for determining the location of a mobile phone.
- Document D3 discloses the use of GPS technique for determining the location of a mobile phone.
- Document D4 discloses the use of GPS technique for determining the location of a camera built into a mobile phone
- Document D5 and D6 disclose the use of Cell ID for location determination in a cellular network.

However, none of the cited documents discloses the use of Cell ID feature for location information in a portable phone with a camera function. Furthermore, no hints are given to combine any of the documents D2-D7 with the teaching of D1 to arrive at the solution presented in claim 1.

**WRITTEN OPINION OF THE
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AUTHORITY (SEPARATE SHEET)**

International application No.

PCT/EP2004/013738

As a result, claim 1 appears new (Article 33(2) PCT) and inventive (Article 33(3) PCT).

- 3 Claims 2-6 are dependent on claim 1 and as such also meet the requirements of the PCT with respect to novelty and inventive step.